User’s Manual for QS5800 Operations

Version NO.: Ver1.9
Release date: 2011-5-16

PLEDCO

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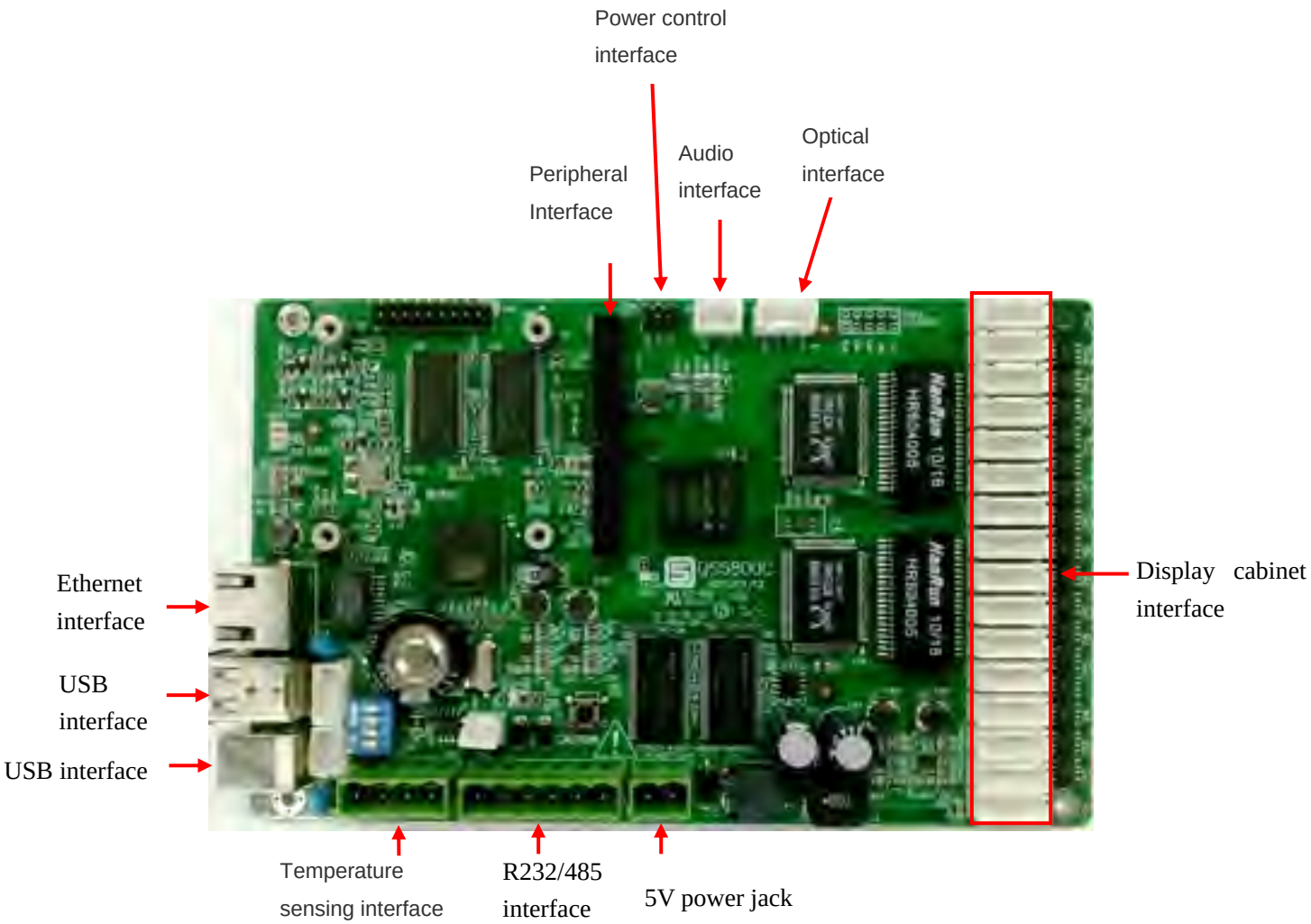
version	modifications	modifier	Modification date
Ver1.0	Compile the first version	ZWJ	2011-1-7
Ver1.1	Modify the imperfect process	ZWJ	2011-1-10
Ver1.2	Modify part of the format	YangLei	2011-1-17
Ver1.3	Modify part of the format	ZWJ	2011-1-17
Ver1.4	Modify part of the format	ZWJ	2011-1-24
Ver1.5	Modify hardware connection parts	ZWJ	2011-2-13
Ver1.6	Resetting	ZWJ	2011-2-14
Ver1.7	Content modification	ZWJ	2011-2-15
Ver1.8	Add SIGMA's upgrading and content modification of the WEB 1.5	ZWJ	2011-4-15
Ver1.9	Update the upgraded content in the upgrade packs	ZWJ	2011-5-16

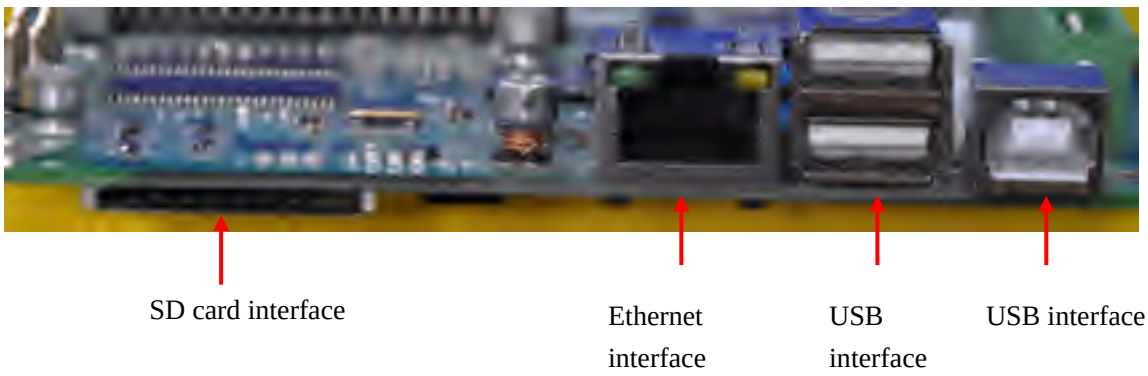
1. Brief Introduction

   QS5800 is a new generation of LED display main control system. Its features are as follows.

   - Support offline and synchronous application.
   - Support various synchronous signal input such as LVDS, DVI, GbE(gigabit Ethernet) and optical fiber.
   - Can play the file in the USB flash disk and SD card directly.
   - Support the document of JPEG, MPEG, AVI and so on.
   - With the display and control mode, rights management classification as well as the display statistical functions which specific to the advertising.
   - The brightness of the display can be adjusted automatically so that the energy consumption of the display can be reduced significantly.
   - Support timer switch function.
   - Support the RSS function, reading the RSS Feed in real time and update the displayed content.
   - Support the function of detecting and display the temperature and humidity in real time.
   - Support the forms of communication such as WIFI, GPRS, USB, RS232, RS485.
   - Support the function of reporting the working state of the display by sending SMS and E-mail.
   - Support to set and operate by browser.

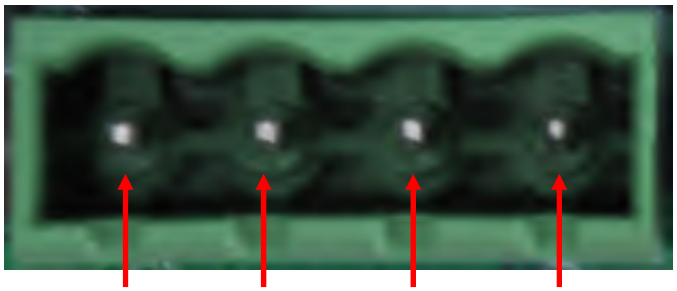
2. Interface Specification





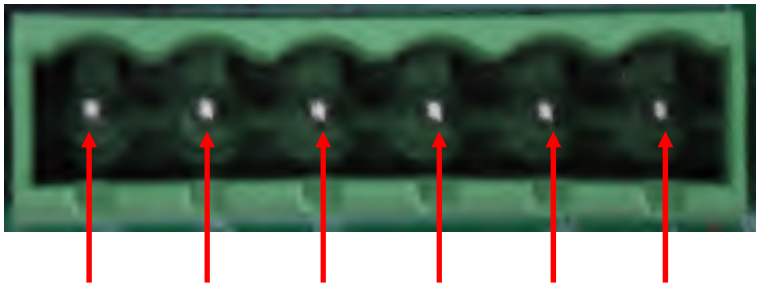
2.1 Introduction of the interface

2.1.1. Temperature sensing interface



VCC CH CL GND

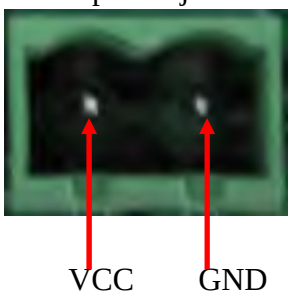
2.1.2. RS232/RS485 interface



TXD1 GND RXD1 NC RS+ RS-

（ RS232 ） （ RS485 ）

2.1.3. power jack

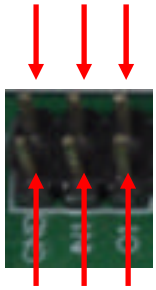


VCC GND

（use 5V power supply）

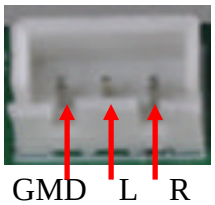
2.1.4. Interface of External power supply controller

NC IN2 O2



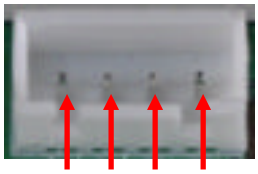
GND IN1 O1

2.1.5 Audio Interface



GMD L R

2.1.6 Optical interface



Test 3.3V Lum Lum

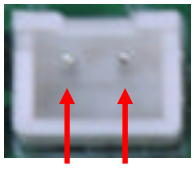
2.1.7 RS232 Serial Port

RXD1 GND TXD1

2.1.8 USB Serial Port

VCC HDMA HDPA GND

2.1.9 FAN Interface



3. Specification

Specification of the QS5800

CPU Type	ARM9
Run Speed	400MHz
Memory	64MB SDRAM + 128MB DDR SDRAM
Storage	256MB NAND Flash on board, Supports SD Card and U Disk.
Operating System	Linux 2.6
Interface	One RS232 One RS485 One 10M/100M Ethernet Two USB host One USB device One SD Card Socket
Communication	RS232 RS485 10M/100M Ethernet USB GPRS WLAN
Working Mode	Offline or synchronous with computer
Input resolution	1024x768@60Hz
Output resolution	1024x768@60Hz
Video format supported	Mpeg2,avi,mp4
Operating temperature	-10~60℃
Dimensions	180mmx120mmx20mm

4. Typical Applications

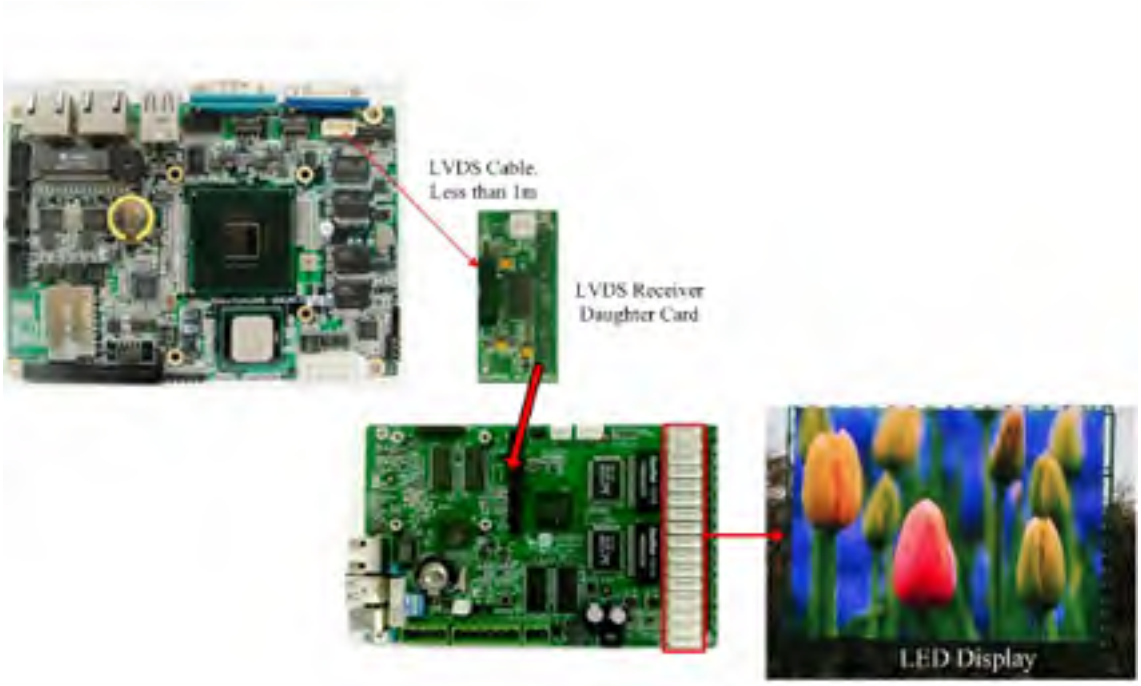
4.1 Offline Application

In this application, QS5800 runs independently and plays the file that saved in the on-board storage, SD card or U disk automatically according to the setup.

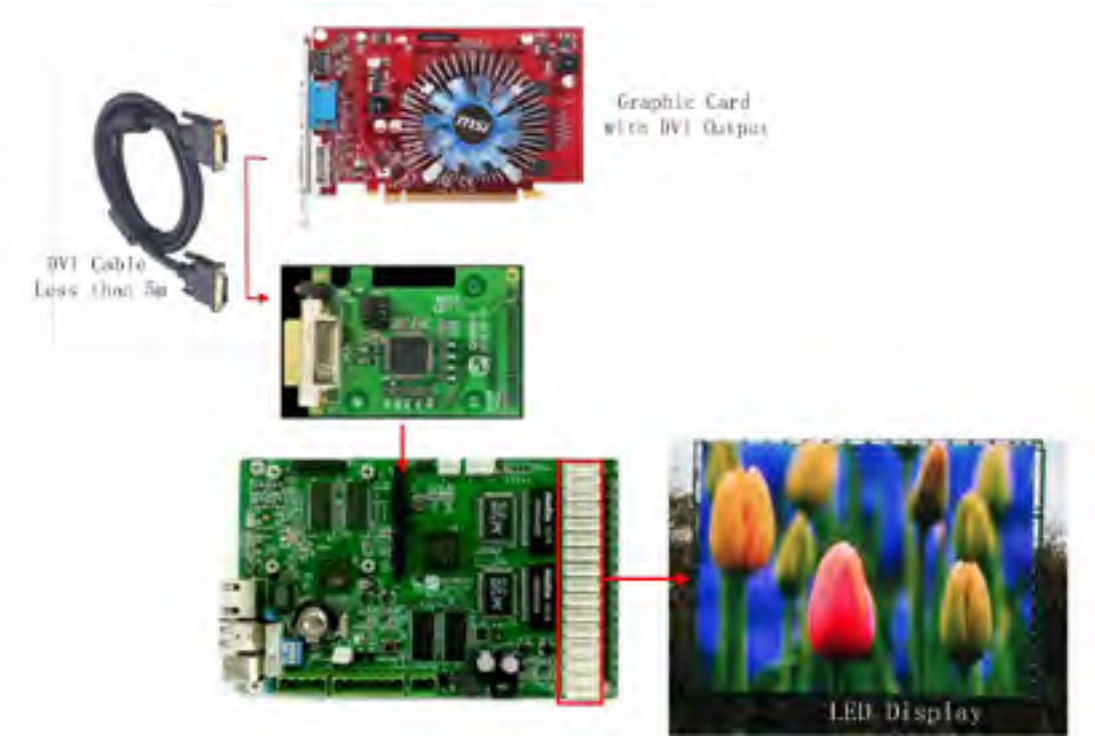
4.2 Synchronous Application

In the synchronous application, QS5800 needs devices like computer, DVD player, video camera to offer the display contents. Following is the introduction of 5 frequently-used synchronous systems.

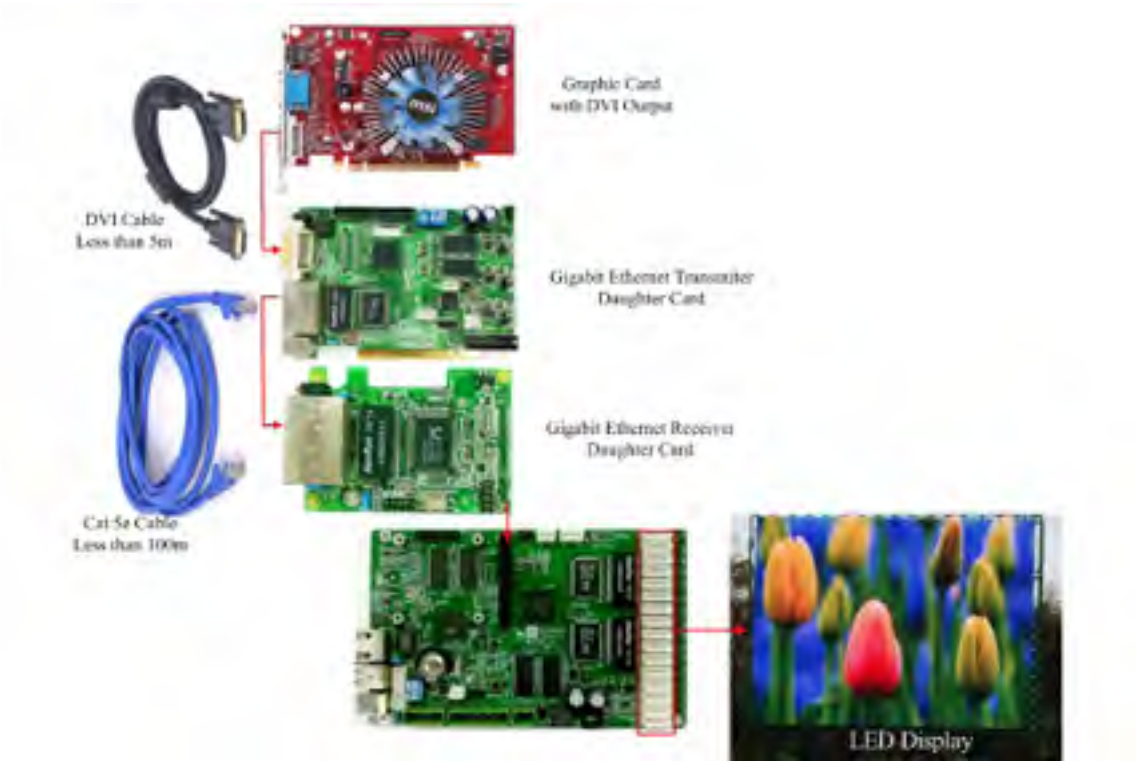
4.2.1 To be Synchronic with Single-board Computer via LVDS Connector



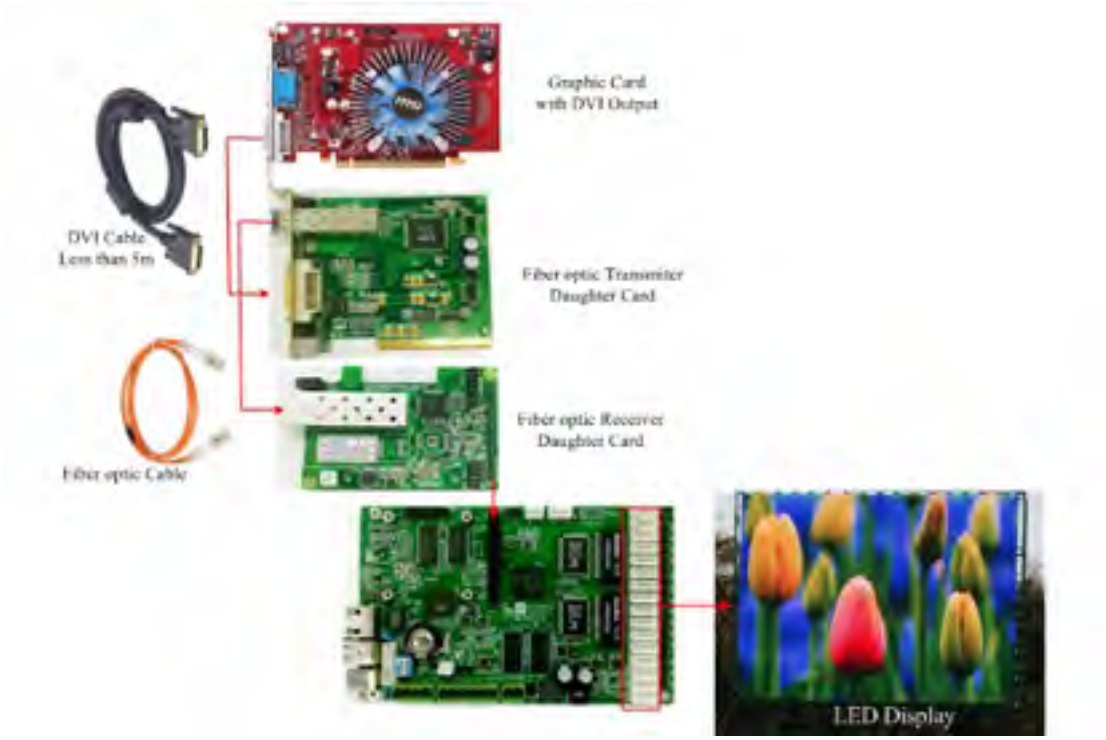
4.2.2 To be synchronic with Computer via DVI Connector



4.2.3 To be synchronic with Gigabit Ethernet Interface

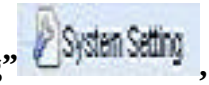


4.2.4 To be synchronic with Optical Fiber



5. Motherboard Configuration

5.1 connect the motherboard with internet, and input the IP address into the browser and login to the motherboard

5.2 after logining, click “system setting” 

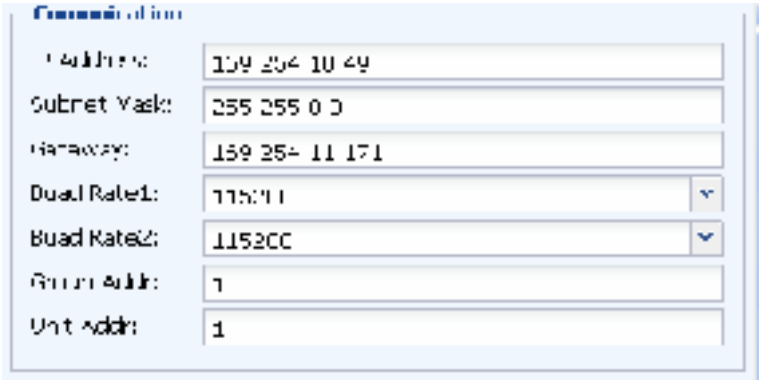
, enter into the control interface,

notice：

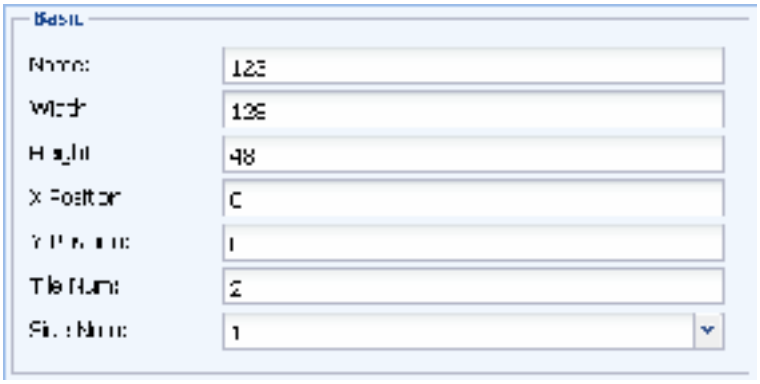
List of common features			
Name of the function	Specific function	Name of the function	Specific function
Name	Name of the display	IP	The IP address of motherboard
Width	Width of the display	Baud Rate1	output frequency mostly used during the communication of some special module
Height	Height of the display	Baud Rate2	
Firmware	The program version of CPU	Group Addr	Group address. Used to distinguish one line or one row when multiple pieces module are combined together
Hardware Version	Reading of the type of hardware	Unit Addr	Unit address. Used to distinguish one module in one line or one row when multiple pieces modules are combined together
Style	Module type of the	Play Mode	When there are new

	display		playlists updating, choose to response immediately or to response after the original playlists finish playing
Drive Type	Connection mode of the display	Control Mode	Used in synchronized output, be set as “offline” generally.
Brightness	Adjusting the brightness of the display		
Color Temperature	Adjusting the R, G, B color of the display effect		

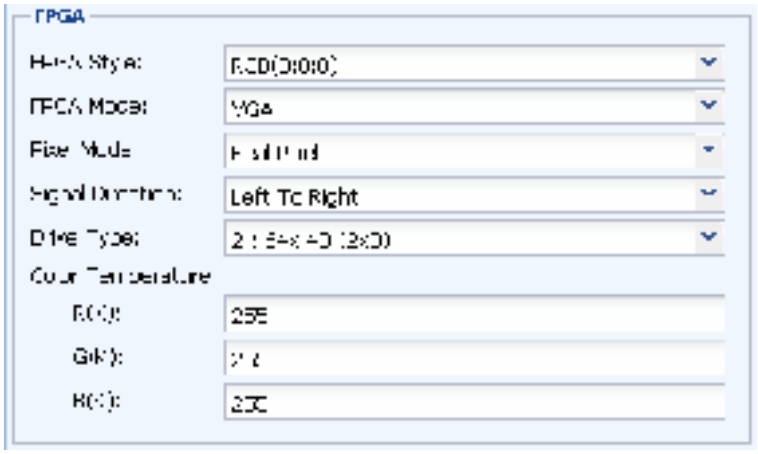
5.3 Modify the IP address of the motherboard in communication parameters, and use the communication frequency of the serial communication.



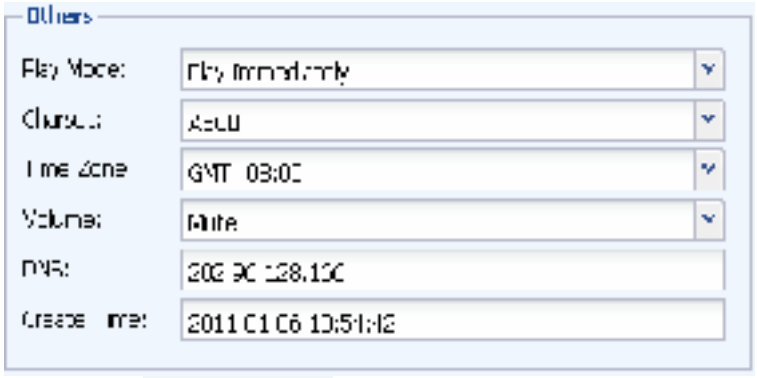
5.4 Modify the name, the width, the height and the quantity of the module of the display in the basic parameter.



5.5 Set the play mode as “offline” and the pixel mode as “real pixel” in the FPGA parameters, set the corresponding the signal direction and the type of the diver board as per the type of the display module.



5.6 Set the play mode as “Play Immediately” and the DNS as the IP address of the server in the other parameters, and set the time zone according to the actual geographic position.



5.7 Click “

” to save.

6. Let the display enter into the test condition

6.1. Login in the WEB page of the motherboard, choose “play control”

（fig 21.1.1.1）.

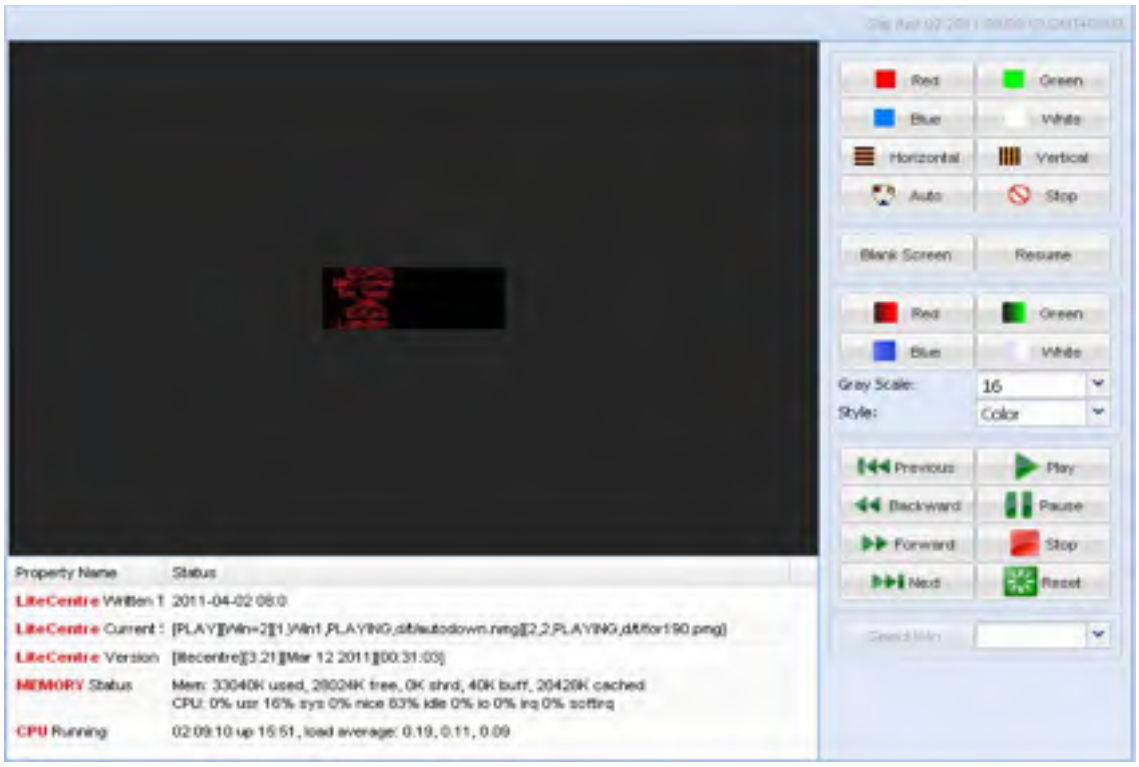


fig 21.1.1.1

2. Use the test button on the left side to check the display.(fig 21.1.2.1)

Fig 21.1.2.1

Test button	Display effect
Full red, full green, full blue, full white	display one color

horizontal sweep or Vertical sweep	some horizontal or vertical moving line will turn up in the display
automatic	Display alternates single color graphics and linear movement graphics.
stop	stop all the test function
Blank screen	Make the display become blank screen
Stop black screen	Restore original frames
red, green, blue, white	In the screen shows that the black gradually changes into red, green, blue or white.
Forward, backward	Playing files fast forward and backward
Previous, next	Play previous one or the next one directly
play	Start playing file
pause	Pause playing file
stop	Stop playing file
reset	Reset the motherboard

7 Send the created information to the display screen

When the user need to play the multimedia file(bmp、jpg、AVI、mpeg、flv etc.)for several times, please choose the PLAY function in the list. The user just need to get the play files (e.g. bmp、jpg、AVI、mpeg、flv. Please refer to the directions of the editing software when making the multimedia files) ready and then add to the playlists to play.

7.1 Transfer Disk(offline)

7.1.1. Please check whether the file layout is FAT or FAT32; if not, please reformat the USB flash disk.
7.1.2 Add list files and play files to the USB flash disk. (Note: the main board cannot distinguish the combination of memory card and USB flash disk of card reader.)

7.1.3 Open the playlist, delete the original content and add the following contents:

[VER10000]
[OVERWRITE]
[D]
[REV]
[1][AD][/helloworld.nmg][2011-01-01 00:00 2011-12-31 23:59 1111111]
Note(the last line): [window][group name][place and name of the playlist][daily start date; daily end date; which day to play]

7.1.4 Then insert the USB flash disk to the connector of main board. After a while, the main board will start the playlist automatically. (Note: don’t do other operation when waiting.)

7.2 Web

7.2.1 Choose“playlist>add from lacal”

7.2.2 Please add the edited file HELLOWORLD.nmg to the playlist (for detailed step, please refer to directions of SIGMA) (Note: the volume of the single file cannot surpass 20MB in the page state)

7.2.3 Choose the play window and play attribute(picture1.2.2.1), click“enter>write

” and finish to add(picture 1.2.2.2）.

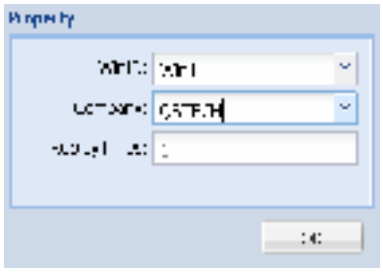


Fig 1.2.2.1

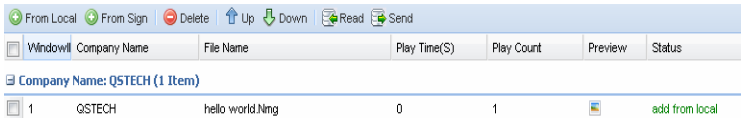
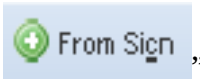


fig 1.2.2.2

7.3 Play the content in the SD card or USB flash disk

7.3.1 Insert the memory card or USB flash disk to the card reader of the main board or the connector of USB. Restart the main board when insert or pull out the memory card.

7.3.2 Choose “playlist” in the WEB page, click” 

”and add the files needed to be played to the disolay screen.

7.3.3 In the pop-up dialog box, the USB flash disk will open USB DISK content(fig 3.3.3.1), SD will open SD DISK content (fig 3.3.3.1).

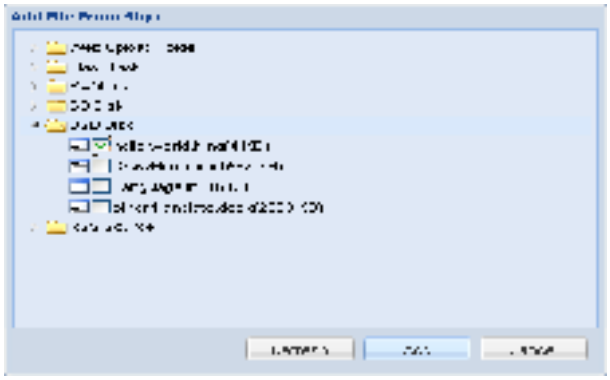


fig 3.3.3.1

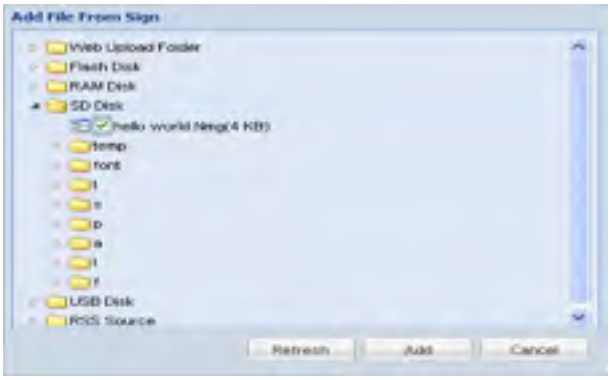


fig 3.3.3.2

7.3.4 Choose the files needed to be added, click

,and at last click

8 Setting display scheduling

8.1 Loge in the page of main board with the IP address and choose

8.2 Add a file to the display screen (e.g. HELLO world.nmg, fig 7.5.1.1）

Fig 7.5.1.1

8.3 After choosing the playlist, click

, in the pop-up dialog box, set the date, play time and which day to play in a week. (fig4.2.2.2）

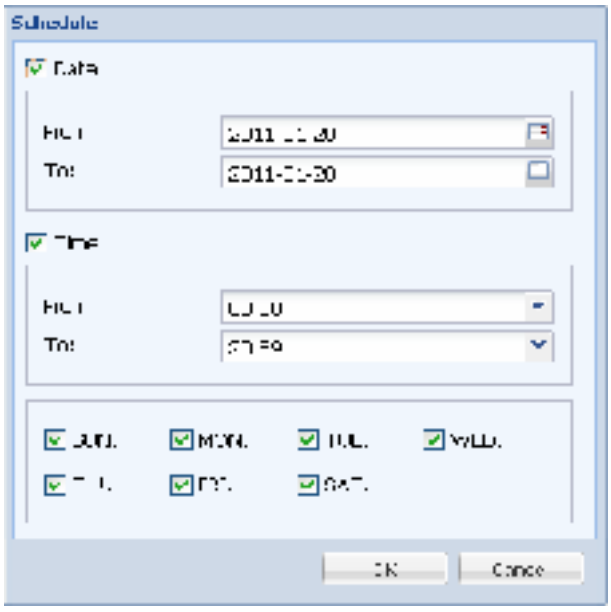


fig 7.5.2.1

8.4 After the setting(（fig 7.5.3.1）, click

and then click

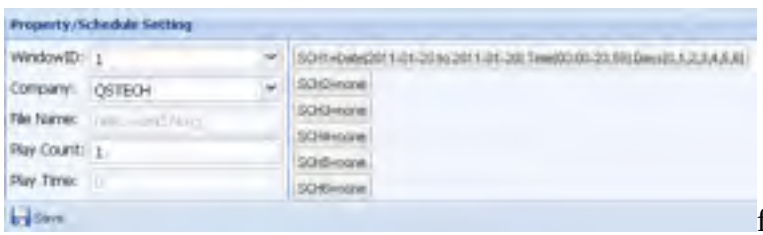


fig 7.5.3.7

8.5 At last, click

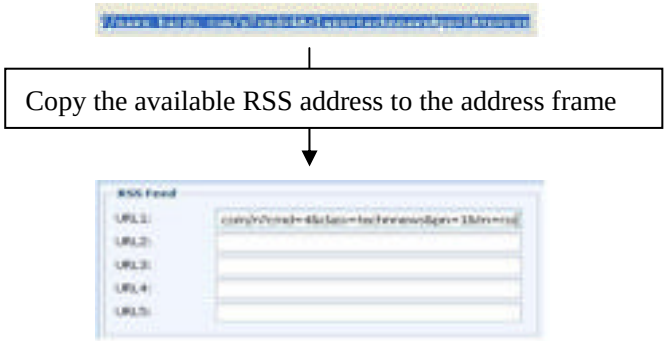
to send to the display sreen.

9 Let the display with RSS function

Rss function can make the motherboard update the news automatically and the play list does not need modifying. Users can update the news by this function to save a lot of time and effort.

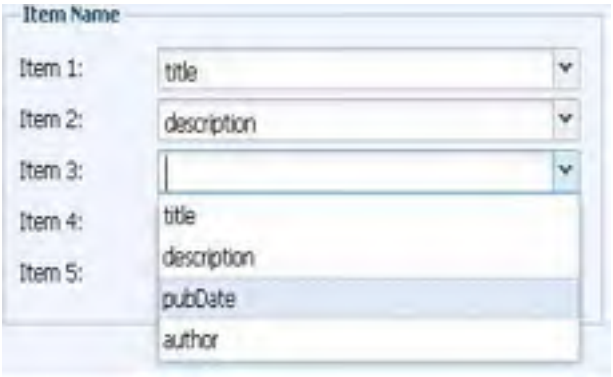
9.1 Use the IP address to login in the motherboard page, choose “RSS setting”

.



9.2，Copy the available RSS address (such as: http://news.baidu.com/n?cmd=4&class=technnews&pn=1&tn=rss notice: the website must be with RSS) to the “URL address frame” in the RSS FEED.（picture 5.1.2.1）

Fig 5.1.2.1



9.3 modify the item property in the item name, set the playing content of the RSS. For example, title description, put date and so on. (picture 5.1.3.1)

Fig 5.1.3.1

Fig 5.1.4.1

9.4 choose the playing effect of the RSS in the display style, such as font style, display mode, color and the pause time of each message. (picture 5.1.4.1)

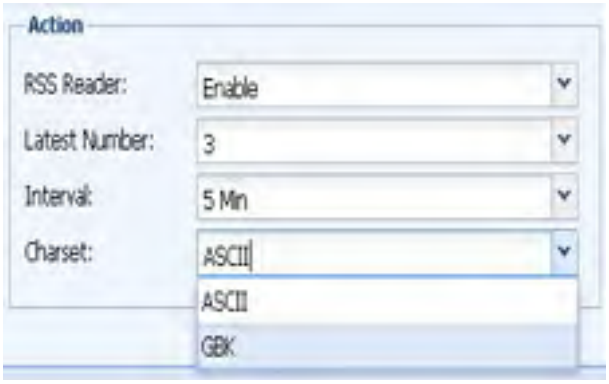


Fig 5.1.5.1

9.5 open the RSS function in the control, set the quantity of the message you want to play, the updating interval and the charset, “GBK” are generally used in Chinese.(Picture 5.1.5.1)

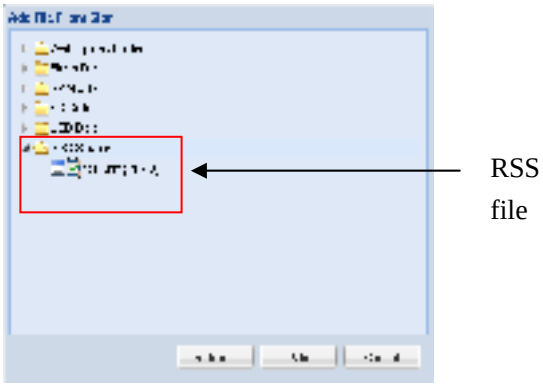
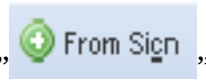


Fig 5.1.6.1

9.6 choose “play list”

, click” 

” ， open RSS Sourceto choose RSS1.nmg file（picture 5.1.6.1），click “

” to save.

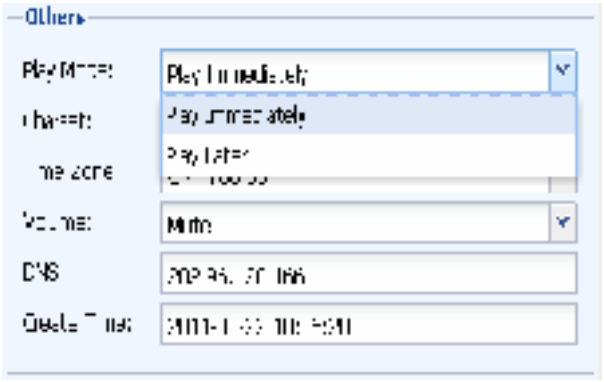


fig 5.1.7.1

Notice: if it still cannot be played after modifying, please check “system setting” to make sure whether the “play mode” is set as “play immediately” or not. (.fig 5.1.7.1)

10.Equip the display with the function of updating display content automatically

10.1 Set up Sharing Server

11.1.1 Set up FTP content on the server (Fig. 6.1.1.1) and set up user name and password for downloading (For example, the content of the FTP server is ftp://169.254.10.49/down，both user name and password are 5800).

Fig. 6.1.1.1

10.1.2 In the “DOWN” content of the server, 5 folders are added (Fig. 6.1.2.1). They are Downlist, Picture, Text, Video, Log. Relevant file in the folder can be added.

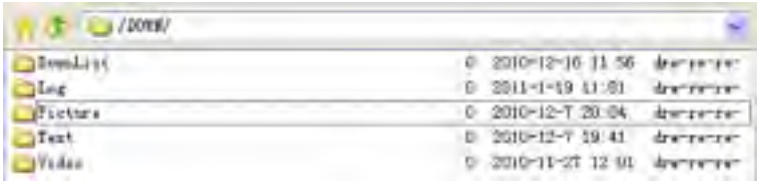


Fig. 6.1.2.1

Note: in the DOWNLIST folder, the public list (common xml) and private xml (*.xml，“*”should be accord with the screen name, Fig. 6.1.2.2) must be separated when adding download listfiles.

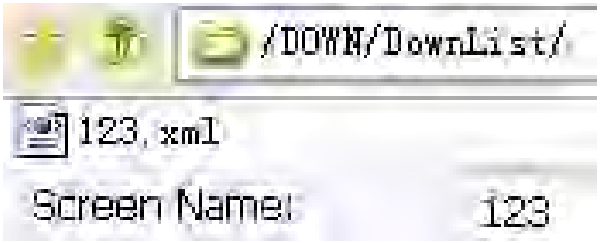


Fig. 6.1.2.2

10.1.3 Use text editor to open common.xml and *.xml. Eliminate the content of the original file and then add the content as follows (refer to the auto download text for specific information)。

```
<?xml version="1.0" encoding="utf-8"?>
<FileList>
  <TextList>
    <Text>
      <WinID>1</WinID>                    ——window ID
      <Group>Pledco</Group>               ——company name
```

```
<FileNo>3</FileNo>                  ——folder number
<Name>autodown.nmg</Name>           ——download file name
<ReplayTimes>1</ReplayTimes>        —— number of times of replay
<TimeNum>1</TimeNum>                —— to change the default play time
                                       setting“0”to be“1”

 <Times>
  <Week>127</Week>                  ——play in some day of a week
   <StartTime>                      ——start time
    <Year>2011</Year>               ——year
    <Month>01</Month>               ——month
    <Day>01</Day>                   ——day
    <Hour>00</Hour>                 ——hour
    <Minute>00</Minute>             ——minute
   </StartTime>
   <EndTime>                        ——end time
    <Year>2011</Year>               ——year
    <Month>12</Month>               ——month
    <Day>31</Day>                   ——day
    <Hour>23</Hour>                 ——hour
    <Minute>00</Minute>             ——minute
   </EndTime>
  </Times>
 </Text>
</TextList>
</FileList>
```

10.2 Allocate Motherboard

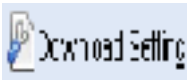
10.2.1 Choose

in the WEB page, then click

.

10.2.2 Set up the IP address, subnet mask, default router, DNS of the motherboard. To make the motherboard and server in the same LAN so as to avoid connect failure (Fig6.2.2.1).

Fig.6.2.2.1

10.2.3 Choose  in the WEB page, then click .

10.2.4 Set the “Download Setting” to be “Open” and then input the set server address (ftp://169.254.10.49), the route of the folder (/DOWN), user name (5800), password (5800), screen name 123. Choose corresponding download time and click “ Write in” (Fig. 6.2.4.1).

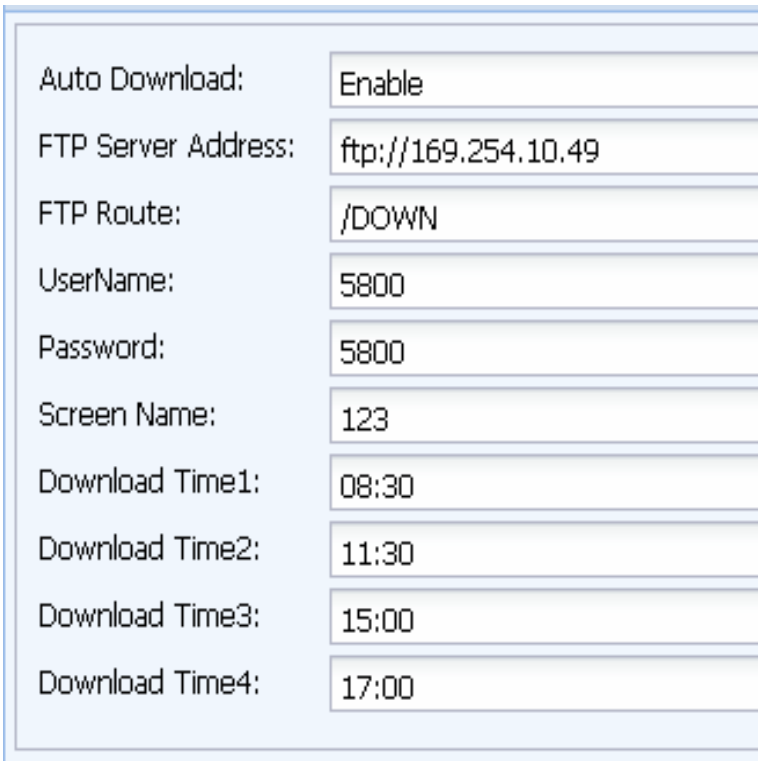
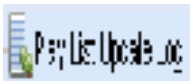


Fig. 6.2.4.1

10.3 Confirm Download

10.3.1 Choose  in the WEB page. Check the motherboad record and find if there any record of playing download file. Then check the server download record "*.log", and see if it is accord with the content of the list. (Fig. 6.3.1.1).

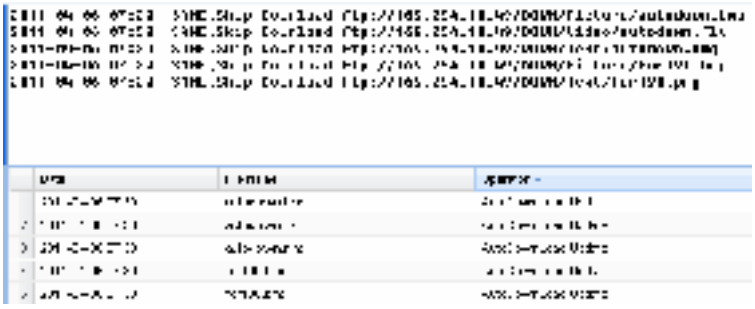


Fig. 6.3.1.1

11 Allocate the motherboard with WIFI function.

11.1 Connect USB wireless receptor (Fig. 12.1.1.1) and then connect the network with wireless router.

Fig. 12.1.1.1

11.2 To set the wireless router, set up wireless LAN. For example: to set the network name as QS without permissions password but with DHCP function. (Because the allocating method of different wireless routers are different, so please refer to router instructions.)

11.3 Choose “WIFI Setting” in the motherboard page. Set the motherboard WIFI function to be “Open”. Choose “QS” as the access point. Input the password for the access point if there is one, if not, keep it empty. Choose the working mode as “DHCP” (Fig. 12.1.3.1).

Fig.12.1.3.1

Note: choose “Manual assign IP address” if you need to set manual IP address assignment.

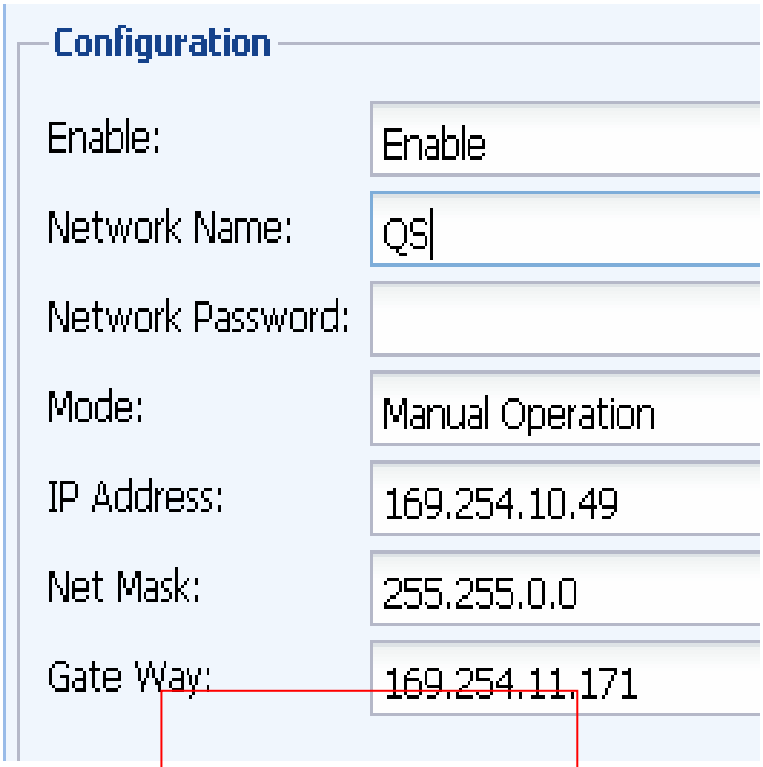


Fig. 12.1.3.2

11.4 click“ Send ” and save。

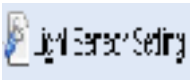
12 Application parameter configuration

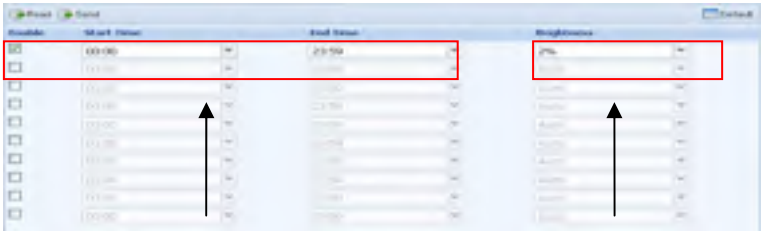
The main function of system configuration is to set the settings for specific system parameters, and to check the original parameters on main board.

12.1 set Brightness Setting （AD setting）

12.1.1 In the web page, select "Brightness Setting" ,

12.1.2 Select time period and set the brightness value of the time period (Figure

9.1.2.1), the specific reference to "light Sensor Setting"  （fig 9.1.2.2）。



Set time period

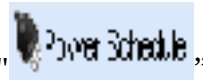
Brightness value of the time period

Fig 9.1.2.1

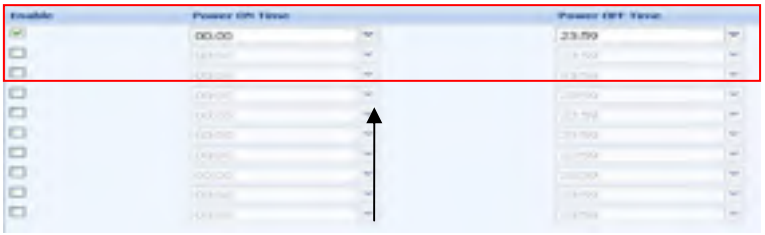
AD Start	AD End	Bright Precent
0	32	10%
32	53	20%
53	93	30%
93	117	50%
117	160	60%
160	176	70%
176	199	90%
199	255	100%

fig 9.1.2.2

12.2 Set the switch machine scheduling

12.2.1 Login motherboard, select "Power schedule"  ,

12.2.2 Check the time of the project box, enter the switch time (Fig. 10.1.2.1), Note: The start time must be less than the off time



The switch time

Fig 10.1.2.1

12.2.3 Click "

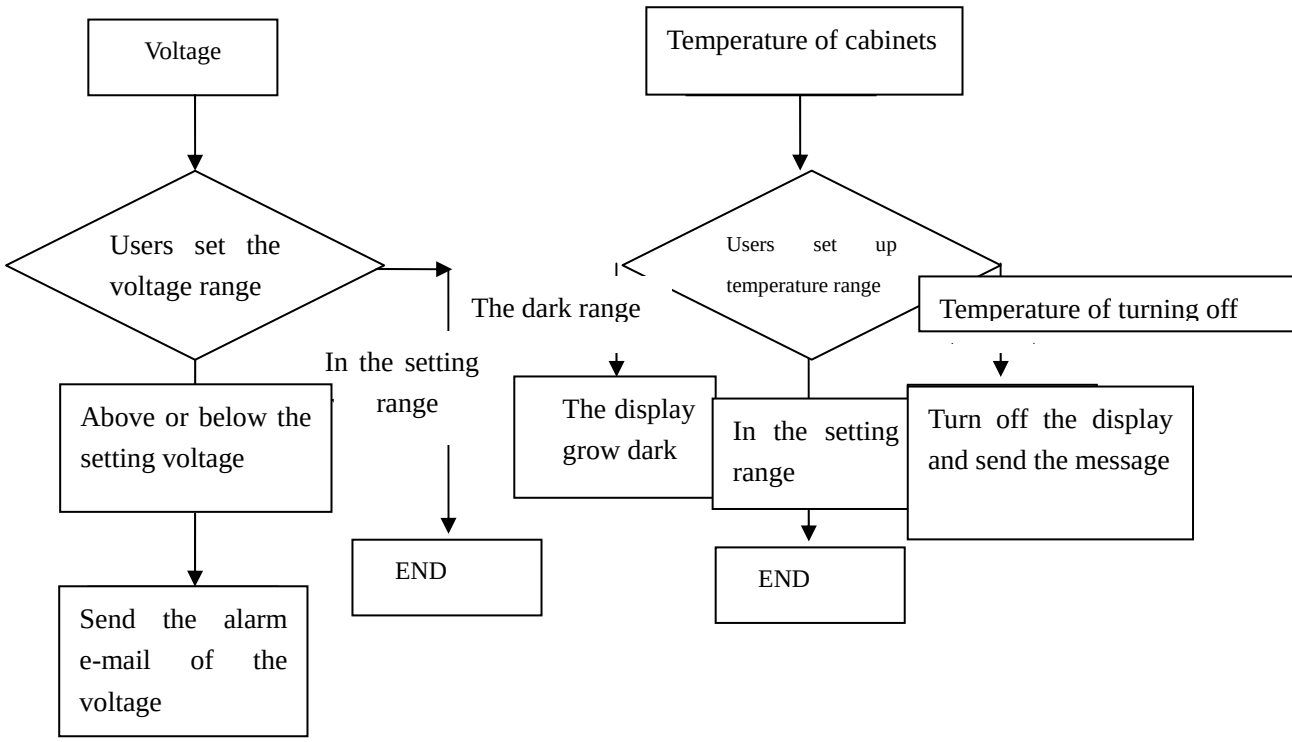
" to Save

12.3 sms and email alarm functions

This function can effectively prevent the lack of management time, no exception processing screen appears the phenomenon, the user can promptly notify the maintenance personnel of the functional repair.

12.3.1 Principle

Properly connected to the motherboard in the box and under the premise that once a voltage instability box, the temperature is too high, the board will automatically separate the different case. That is, if the voltage is set to 5V, set within 24 hours after the event of a higher or lower than 5V situation, the message board will issue a warning message; if the event of a heating cabinet, the board will first determine the temperature in the range (Users pre-set), if in the dark range, to reduce the brightness range in the off automatically shut down.



12.3.2 Set Protection

12.3.2.1 Connected to the motherboard using the WEB, select "Protection Settings"

,

12.3.2.2 Input parameters (Fig. 11.2.2.1), complete the settings and click "

" to save.

Note: The maximum voltage must be greater than the minimum voltage, maximum current must be greater than the minimum current.

图 11.2.2.1

12.3.3 sms and email settings

12.3.3.1 Installed on the motherboard and the receiving device external GSM SIM card

12.3.3.2，Click on the "Protection Settings"

, set the receiver's phone number and email address (Fig. 11.3.2.1), click on the "

" to save.

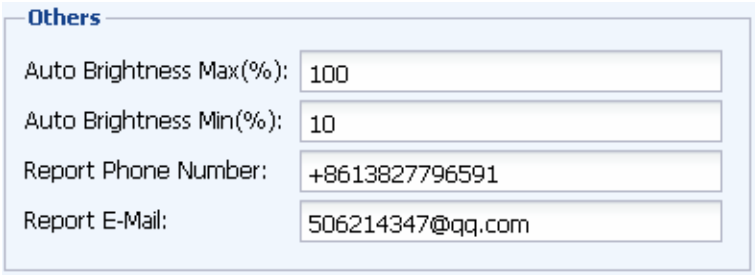


Fig 11.3.2.1

12.3.3.3 Use the numbers to receive information sent "<SIGNSTATUS>" to the GSM SIM card within the receiving device number on

Note:

SMS: SMS alarm function to use when the SIM card, the balance must be sufficient recognition, GSM module can be opened up after the installation of telephone numbers, telephone numbers before you add the country code.

EMAIL: Use e-mail alert feature, you must make sure the motherboard has access to the network; e-mail format should be: "Account Name "+@+" server name," once every 24 hours only to send the message.

13 Log message

13.1 View the currently playing content (live time)

13.1.1 Log on to the motherboard using the WEB, click on "System Monitor"

, you can see the current display screen (Figure 13.1.1.1, refresh every 3 seconds.)

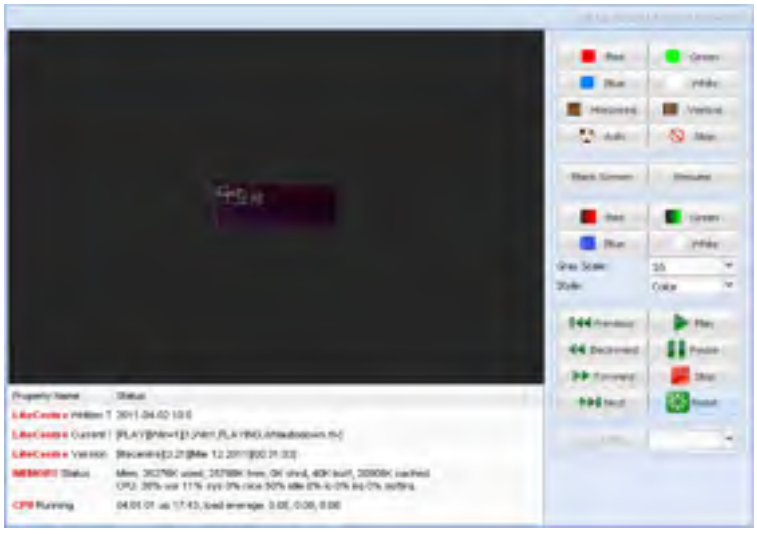


Fig 13.1.1.1

Note: The sub-window playback, there must be a window playing a movie file (*. FLV), or sub-windows cannot play.

13.2 View Play log and export logs

13.2.1 In the WEB page, select the "Play log"

, the system will automatically default the full broadcast day, the log display（picture 14.1.1.1），

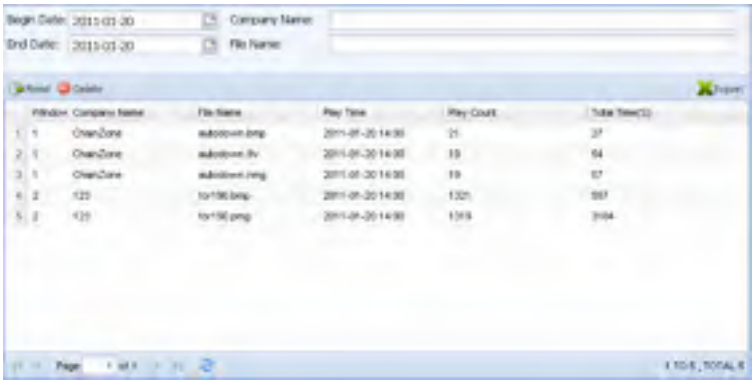


Fig 14.1.1.1

2. 。Play the previous query log, the first click , set the corresponding time (Fig. 14.1.2.1), click on "read back"

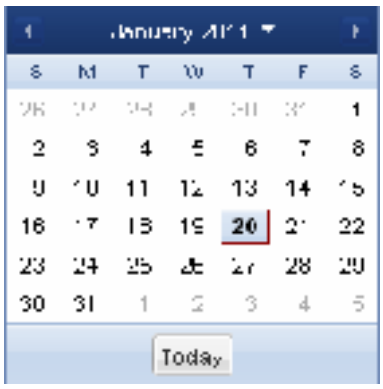


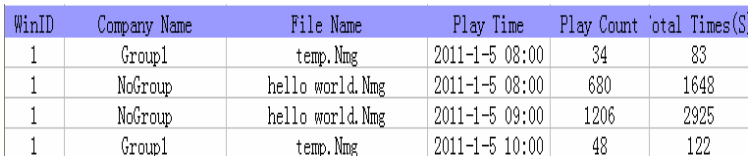
Fig 14.1.2.1

3. Export the log, first click , set the corresponding time (Fig. 14.1.3.1), click on "read back"

, click "Export"

(Fig. 14.1.3.2).

Fig 14.1.3.1



WinID	Company Name	File Name	Play Time	Play Count	otal Times(S
1	Group1	temp.Nmg	2011-1-5 08:00	34	83
1	NoGroup	hello world.Nmg	2011-1-5 08:00	680	1648
1	NoGroup	hello world.Nmg	2011-1-5 09:00	1206	2925
1	Group1	temp.Nmg	2011-1-5 10:00	48	122

fig 14.1.3.2

Note: Cannot export, in the menu bar select "Tools

> internet options

> security

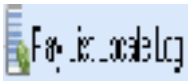
> interne

t> Custom Level,

" will "is marked as safe for scripting activex controls Initialize and script," selected " start "(Figure 14.1.3.3), the last point of" OK ", restart IE and then for export.

figure 14.1.3.3

13.3 Check list update log

13.3.1 Click “Play List Update Log” 

in the WEB, and the system defaults to demonstrate the day’s blogs (Chart 15.1.1.1).

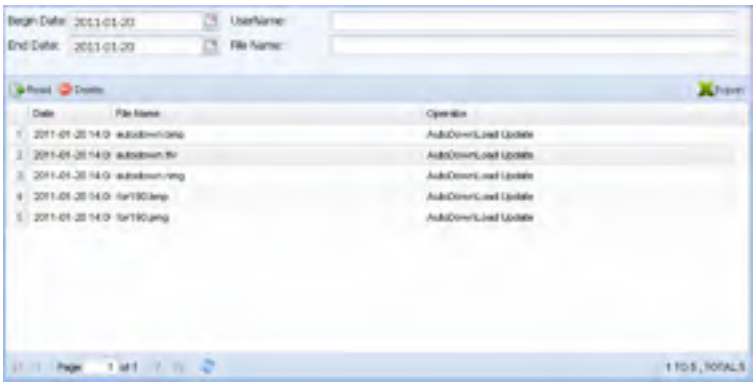


Chart 15.1.1.1

13.3.2 When checking the previous logs, click first, and then set up the corresponding time.

13.3.3 When searching for specific record, input username and filename (Note: the inputted username and filename must be complete names), and then click

.

13.4 Check temperature log

13.4.1 Click “Temperature Log”

in the WEB, and the system defaults to demonstrate the day’s temperature logs (Chart 16.1.1.1).

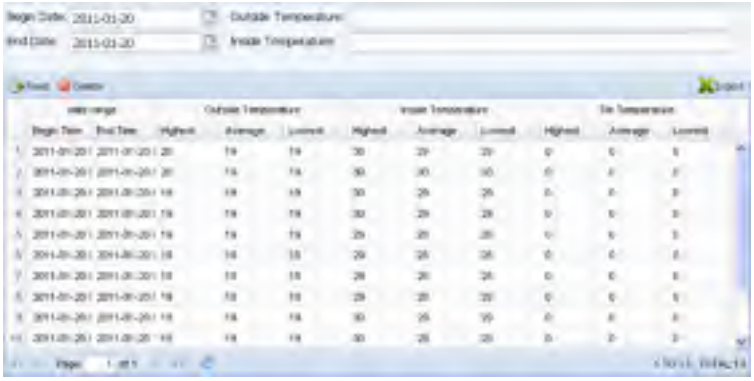


Chart 16.1.1.1

13.4.2 When checking the previous logs, click first, and then set up the corresponding time.

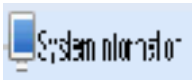
13.4.3 When searching for specific record, input exterior temperature and interior temperature (Note: the inputted temperature value must be complete temperature value), and then click

.

14 System diagnosis

Information View Function can help users understand system version and hardware information more easily, and facilitate the communication between user and engineer.

14.1 Check application program version information

14.1.1 Click “System Information”  in the WEB, and you can find all driver software information in the system (Chart 17.1.1.1).

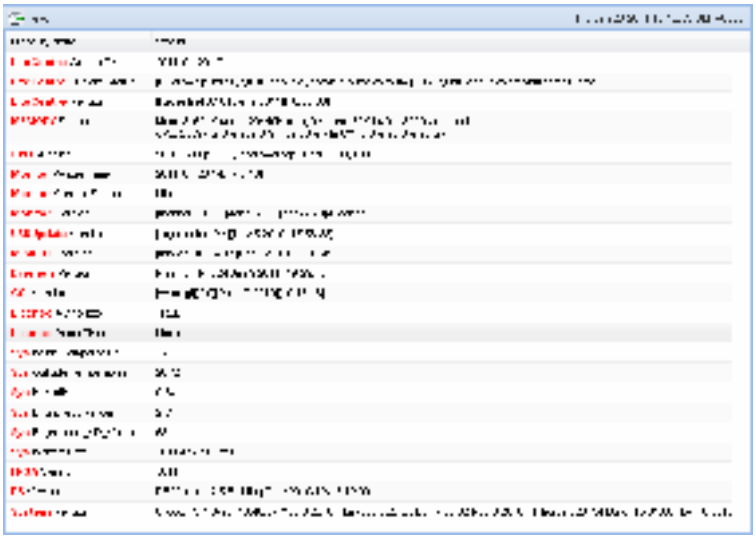


Chart 17.1.1.1

14.2 Check tile information

14.2.1 Click “Tile Information” in the WEB, and the system automatically reads all tile information (Chart 18.1.1.1).

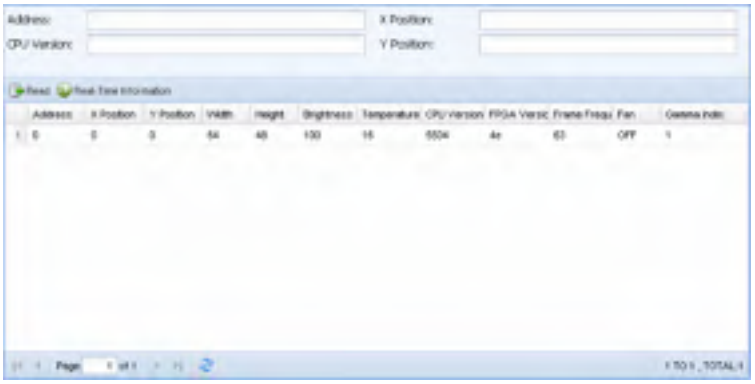
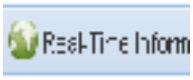


Chart 18.1.1.1

14.2.2 Clicking “Real-Time Information” 

can read the real time information of the cabinet; clicking “Read”

can read back information after the cabinet moves for a while.

14.2.3 When checking cabinet, input complete information in address, CPU version number, X coordinate or Y coordinate, and then click “Read”

.

14.3 Check pixel information

14.3.1 Click “Pixel Inforamtion” in the WEB, and the system automatically reads all pixel information (fig 19.1.1.1).

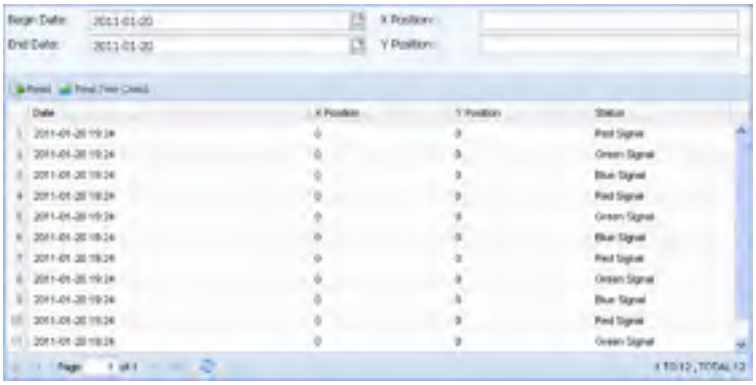
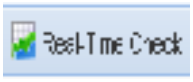


fig 19.1.1.1

14.3.2 Clicking “Real-Time Check” 

can read the real time pixel information; clicking “Read”

can read back information after the pixel moves for a while.

14.3.3 When checking a pixel, input complete information in start date, end date, X coordinate or Y coordinate, and then click “Read”

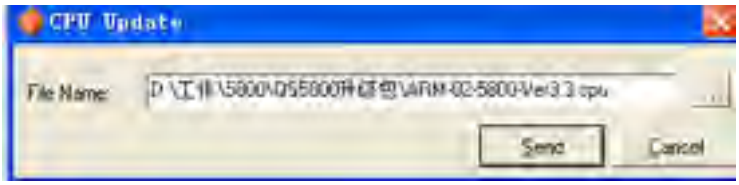
.

15 System update

15.1 Sigma 3000 update

15.1.1 In sigma, click “Tool” > “Update” > “CPU Update”, and then choose the corresponding update package.

15.1.2 Download update file (*.cpu).



15.1.3 Wait for update complete.

15.1.4 After the box appears, click OK and reboot. The update is complete.

15.2 Update package update

For older version of update package (Ver4.0 or below)

15.2.1 Extract the update package and find “update.txt” (fig 16.2.1)

fig 16.2.1

15.2.2 The IP address should be modified to that of update main board (fig 16.2.2).

fig 16.2.2

15.2.3 Save, and then click “update.bat” (Chart 16.2.3) to update automatically.

fig16.2.3

15.2.4 After the update is complete, use Display Test to reboot (fig 16.2.4).

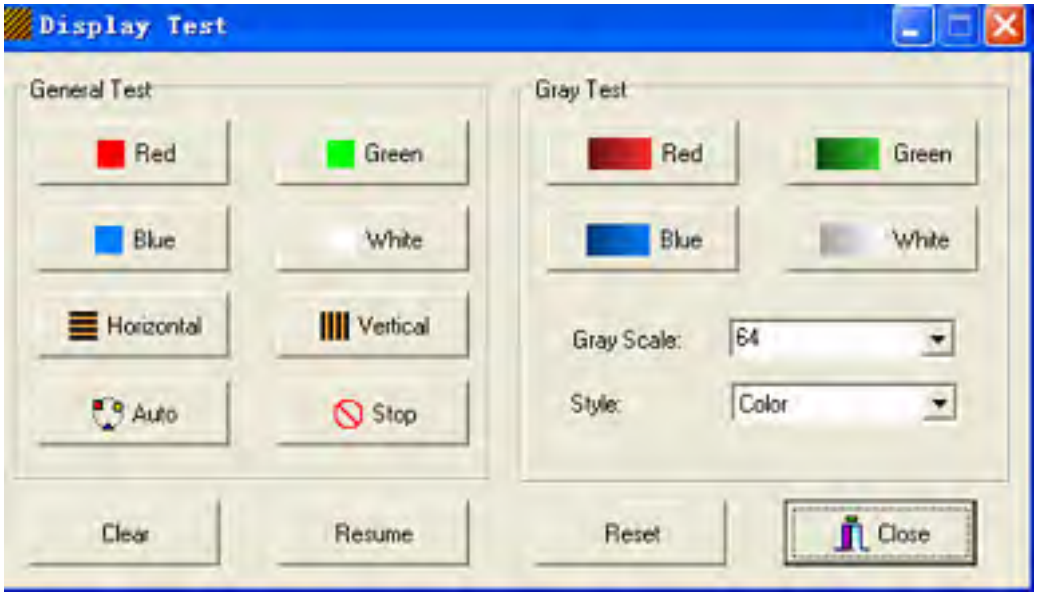


Fig 16.2.4

For new version of update package (Ver4.1 or above)

15.2.5 Extract the update package and double click “upLedNetUpdate.exe” (fig 16.2.5)

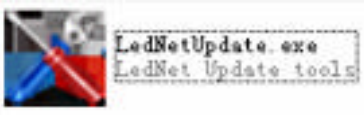


fig 16.2.5

15.2.6 After the interface (Chart 16.2.6) appears, input the IP address of main board.

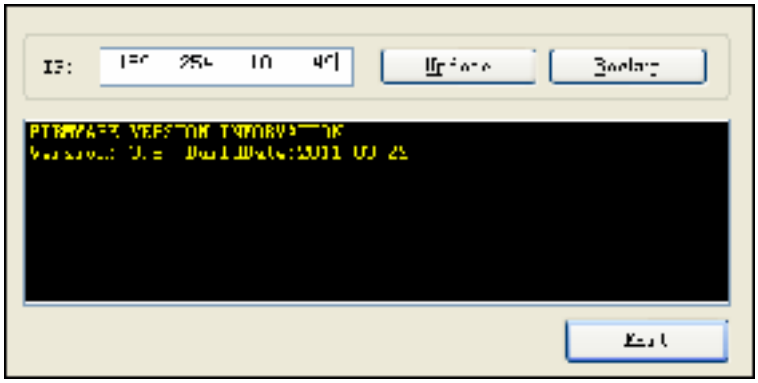


Fig 16.2.6

15.2.7 Click . When Chart 16.2.7 appears, the update is complete.

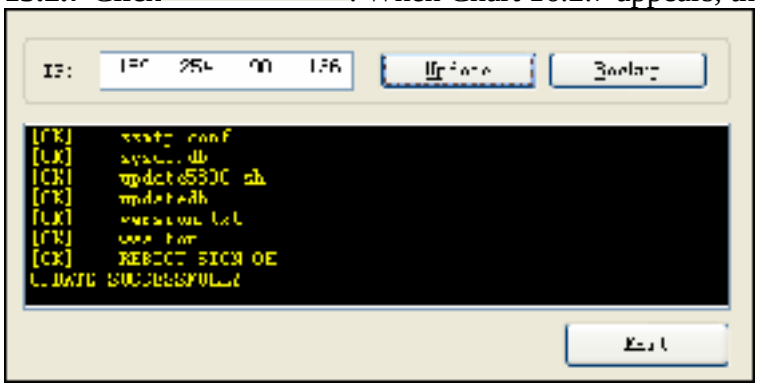


Fig 16.2.7

15.3 USB drive update

15.3.1 Format USB drive as FAT or FAT32.

15.3.2 Extract the particular update package into the root directory (Chart 20.3.2.1).

Fig 20.3.2.1

15.3.3 Insert USB drive into the main board, and then wait for 3 minutes.

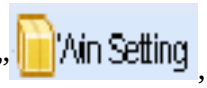
15.3.4 Restart after finishing the above steps, and verify the system version information.

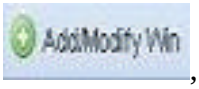
Before update After update

16. Advanced application

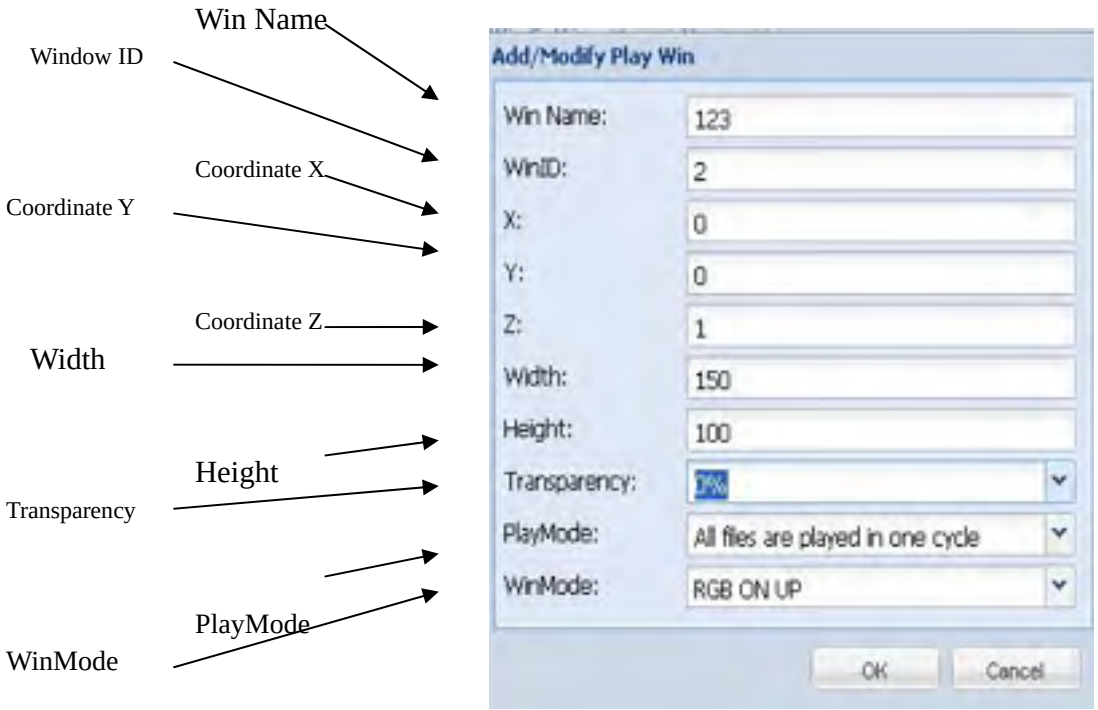
QS5800 can support multi-windows playing, playing control, subsidiary playing and multistage user management. With these functions, users can control the playing contents and the operations for different users' permissions to log-in.

16.1 Sub-windows playing

16.1.1 Log in with the WEB forms, you can choose "windows setting" 

, click on "create" 

, fill the specifications in the popup dialog.(see figure 7.1.1.1)



Notice:

Coordinate X&Y: Designating the position of the window in the screen, if it's sub-windows playing, please pay attention to the value of coordinate X, Y of the

window, in case of the situation of overlapping or wrong position (the QS5800 can support two windows at one time for the most at present, and one of them must play *.FLV)
Coordinate Z: it must be set as 1.

Playing Mode(see figure 7.1.1.2)

First one: every window can only play one document of one company

Second one: every window can play several documents of one company.

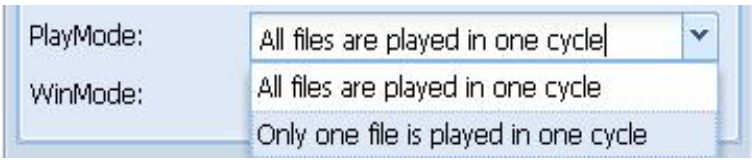
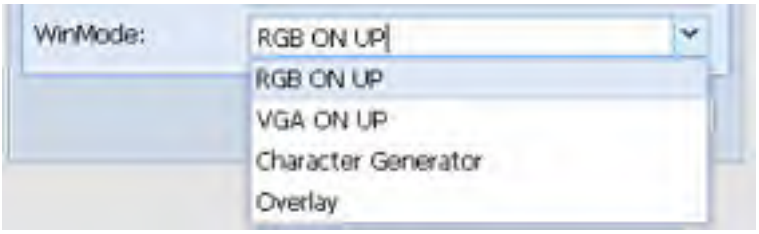


Figure 7.1.1.2

Window Mode: aiming at the output mode of different displays. (figure 7.1.1.3)



16.1.2 Click “OK” to create a new window.（图 figure 7.1.2.1）。

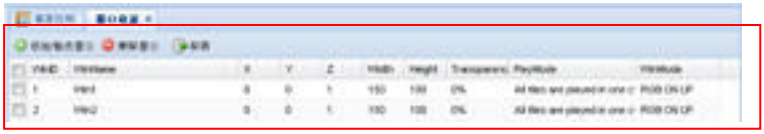


Figure 7.1.2.1

16.1.3 When adding document to the lists, you can choose different “Windows ID to realize sub-windows playing”

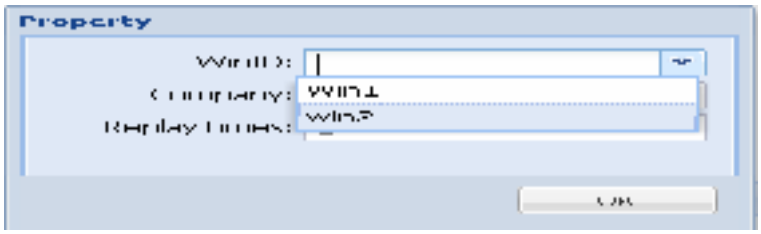
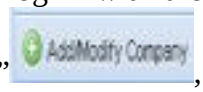


Figure 7.1.3.1

16.2 Subsidiary playing

16.2.1 Log in with the WEB form, choose “company manager” , click “create”  , fill in the reletive information (you can add 1000 company IDs for the most) in the popup dialog (see figure 7.2.1.1).

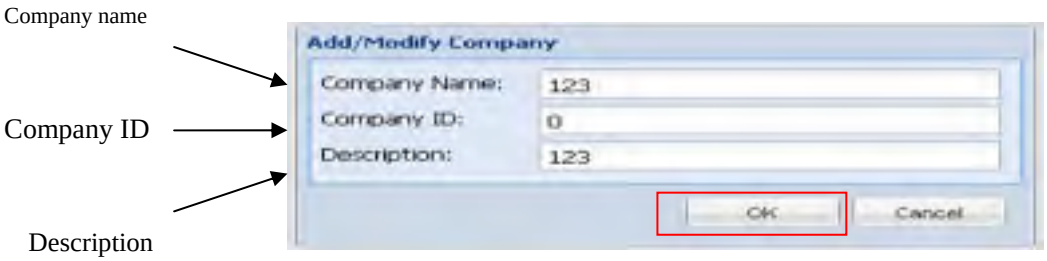


Figure 7.2.1.1

16.2.2 Click “OK” to create a new company ID（figure 7.2.2.1）。

Figure 7.2.2.1

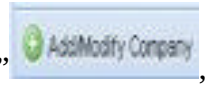
16.2.3 When adding documents to the lists, you can choose different “company”(figure 7.2.3.1) to realize subsidiary playing.

Figure 7.2.3.1

16.3 Company management

16.3.1 Choose the company which needs to revise or delete (figure 7.3.1.1);

Figure 7.3.1.1

16.3.2 Click “create” 

, revise the information in the popup dialog(figure 7.3.2.1);

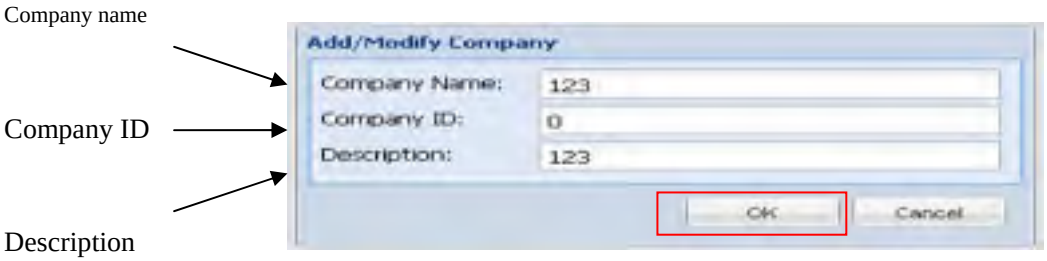


Figure 7.3.2.1

16.3.3 Click “OK” to finish the revise (figure 7.3.3.1).

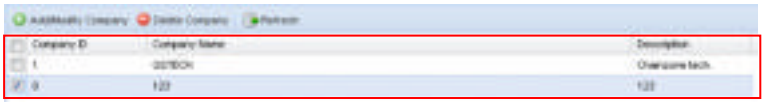


Figure 7.3.3.1

16.3.4 If you need to delete the company, you can choose it, and click “delete”

,and the d deletion is done（图 7.3.4.1）。

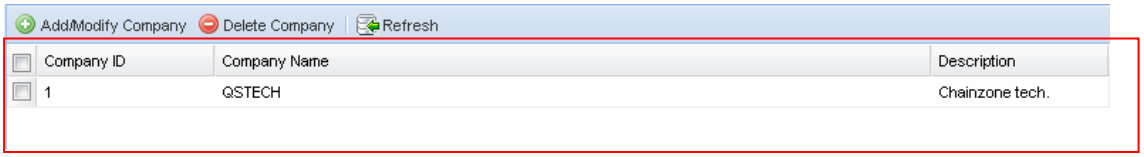


Figure 7.3.4.1

16.4 Web user manager

16.4.1 Log in with the WEB page, choose “user manager”

, click “create”

, input the data in the popup dialog(figure 7.4.1.1）;

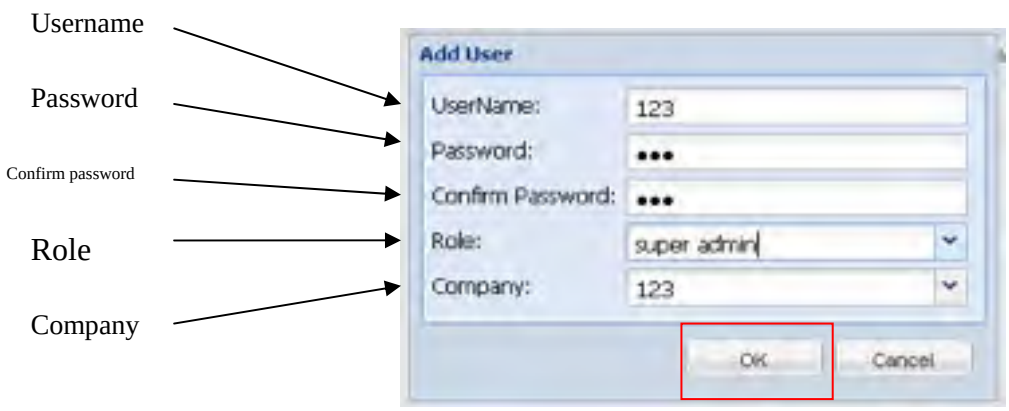
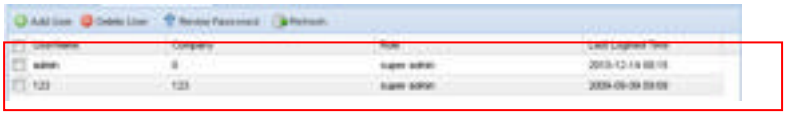


Figure 7.4.1.1

16.4.2 Click “confirm” to create a new user.



Notice:
A Once being confirmed, the user name cannot revise;
B The limitation of the user role（figure7.4.2.1）:

Figure 7.4.2.1

Super admin: can realize all the operations.
Company admin: can realize the operations except checking the box information, pixel information and some other user’s roles.
User: can not realize any operations except revise the playing images.

16.4.3 Choose the users which need to revise the password（figure 7.4.3.1）, click “revise password”;

Figure 7.4.3.1

16.4.4 Click “revise password”

, input the present password and the new one（figure 7.4.4.1）

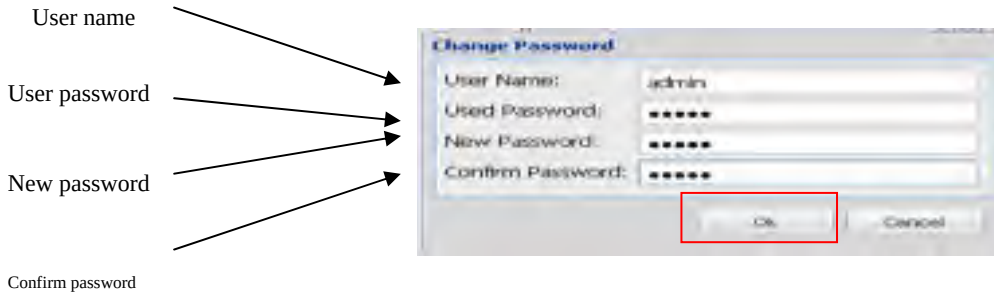


Figure 7.4.4.1

16.4.5 Click “confirm” to finish the revision（figure 7.4.5.1）.

Figure 7.4.5.1

17FAQ

17.1 web initial password

The web user's initial username and password for logging is admin(lowercase).**17.2 solution for no playing content in the screen**

17.2.1 In the web page, change the “display mode” and “play mode” in the “system setting” to “synchronous” and “play immediately”（figure 36.1.1.1）。

Figure 6.1.1.1

17.2.2 Check the setting of the windows, if it's sub-windows playing, then one of the window must play animation（figure 36.1.2.1）, or it won't be able to play; it won't play if there are more than two windows.

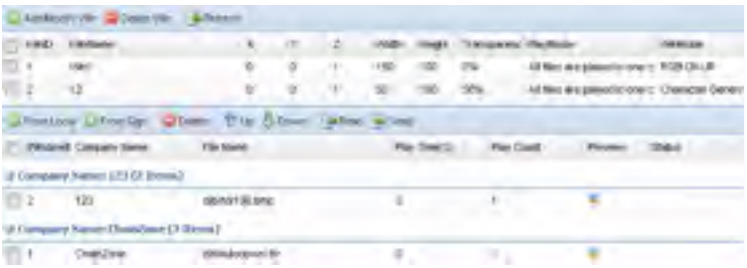


Figure 36.1.2.1

17.3 The reasons for connection failure to the Ethernet

17.3.1 Check if the net gapes are communicating between the host machine and the main board（both of the lights are on if the net gape are communicating）;
17.3.2 Check if the netting twine is broken;
17.3.3 Check if the IP addresses of the host machine and the main board are in the same network segment(figure 37.1.3.1）, the default IP address of the main board is: 169.254.10.49（when the computer is connected to the main board with netting twine）;

Figure 37.1.3.1

17.3.4 Use 232/R485 data wire to connect to the main board，and use sigma to read the IP address of the main board, and then change the IP address of the network

card and the main board to the same network segment.

Appendix：

Download documents automatically
Dip switch list